



## Certificate of Analysis

**Product name: LACTAMATOR™**

**Product code: # LCT-50**

**Batch: 019.50.00323**

**Mfg Date: May 2023**

Tests	Specifications	Results	Comment
Cephalosporinase Specific Activity ( <i>IU/vial</i> )	> 5000	<b>7740</b>	Passed
Penicillinase Specific Activity ( <i>IU/vial</i> )	> 50000	<b>94500</b>	Passed

### Unit definition

One Cephalosporinase International Unit of activity is defined as the amount of enzyme that catalyze the hydrolysis of 1.0 micromole of cephalosporin C per minute at 25 °C at pH 7.0.

One Penicillinase International Unit of activity is defined as the amount of enzyme that catalyze the hydrolysis of 1.0 micromole of benzylpenicillin per minute at 25 °C at pH 7.0 (1 International Unit corresponds approximately to 600 Levy Units or 75 Pollock Units).

### Storage and use conditions.

The enzyme is supplied as lyophilized formulation and should be stored between -25 °C and +8 °C.

**Appearance:** white powder.

The product does not contain animal derived components or additives.

**Exp. Date: May 2026**

Quality Assurance

Rosaria Cassese

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